

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 55717

Manuscript Type: CASE REPORT

Amiodarone-induced hepatotoxicity: quantitative measurement of iodine density in the liver using dual-energy CT: a report of three cases and literature review

Quantitative measurement of amiodarone-induced hepatotoxicity

Abstract

BACKGROUND

Amiodarone is the drug most commonly used to manage arrhythmias. Long-term amiodarone administration causes hepatotoxicity due to iodine accumulation in the liver. Here, we present three cases of amiodarone-induced hepatotoxicity in patients on long-term oral amiodarone therapy who underwent dual-energy computed tomography (DECT).

CASE SUMMARY

We report the clinical and iodine density in the liver using dual-energy CT of three patients with amiodarone-induced hepatotoxicity. Liver enzymes were increased in these three patients, and abdominal DECT without contrast medium showed highly increased attenuation in the liver. Furthermore, the iodine concentration in the liver was increased. First patient with

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We **report** a case of **amiodarone-induced** epididymitis and **review** the pertinent **literature**. This disease is currently a diagnosis of exclusion and is believed to be self-limiting.



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Author: Kai Roman Laukamp, Kai Roman Lau... **Publish Year:** 2020

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After taking amiodarone, **liver** enzymes were increased and **computed** tomographic (CT) scanning of the abdomen showed a significant increase in the **density** of the **liver** without contrast medium.

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A total of 296 **reports** were identified: 214 from the Adverse Event Reporting System, 59 from published **case reports**, and 23 from adverse events **reports** for patients enrolled in clinical trials.

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